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ECOSOFT BASICSOFT 4500

Treatment of household water, steam boiler and heating circuit feed water, pharmaceutical manufacturing, food processing, chemical manufacturing, textile industry, drinking water bottling, agriculture, fish farms etc.

KEY FEATURES

- Basic set ready to work with cation exchange resin plastic valve, top and bottom stacks distributors

- PC002 for commercial and domestic softening applications: polydispersed particle size, gel, strong acid cation exchange resin

- Automatic Clack CE control valve:

- Regeneration control by water volume: delayed regen, immediate, both

- Possibility to change the cycle of regeneration stages and their range of time

- Multilanguage menu: English, German, French, Ukrainian

- Different setting modes are available:

◦ single valve twim or double valve twin configurations

◦ multi-system mode, up to 8 system to the system controller

◦ 2 exeternal devices simultaneously can be connected

SET OF EQUIPMENT

WS1.5CE meter control valve assy (VP15CEDTH):

- WS1.5PCE control valve
- Top stack distributor, 50mm riser
- Meter assembly
- Power supply
- Injector
- DLFC
- Funnel

Pressure tank assembly:

- Pressure tank CN-30x72 (top bottom opening 6"-FLG)
- Flange adaptor
- Riser DN 50mm
- Lateral bottom stack distributor

Brine tank assembly

- Brine tank 30x60, 680 L
- Brine well assembly (brine valve,overflow set)
- Brine grid

Resin

- Type resin — PC002 polydisperse cation exchange resin
- Volume resin — 450 liters

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TECHNICAL SPECIFICATION OF ECOSOFT BASICSOFT 4500

Parameters	
Maximum service flow rate	13.6 m³/h
Quantity of resin	450 l
Volume capacity *	90 m³
Usage of salt per regeneration	45.0 - 72.0 kg
Usage of water per regeneration (= discharge per regeneration)	3.15 - 4.5m³
Duration of regeneration	80 - 120 minutes
Operating pressure	2 - 6 bar
Inlet, outlet	1.5"
Drain	1"
Brine line	1/2"

Parameters	
Volume of pressure tank	680
Dome volume	80
Volume of brine tank	680
Dry system weight	115 kg
Electrical requirements	230 V, 50Hz
Electrical power	30 W
Operating temperature	+4...+30 ºC

ECOSOFT BASICSOFT 4500 COMMERCIAL WATER SOFTENER

Code	Product	Volume resin, L	Maximum service flow rate, m³/h**
FU3072CE15P	Ecosoft BasicSoft 4500 commercial water softener	450	13.6

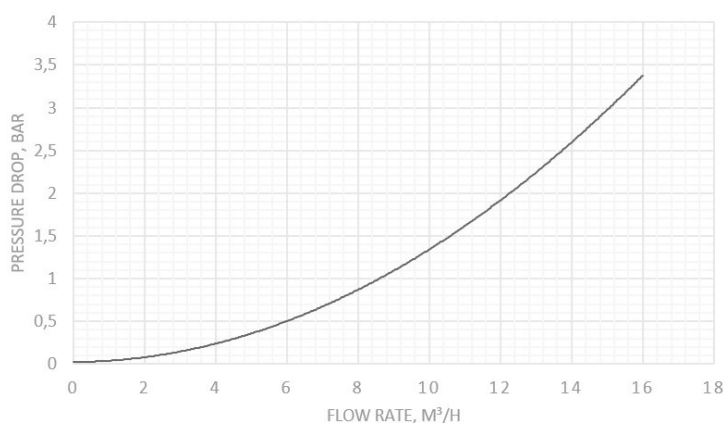* At a hardness of 250 ppm $CaCO^3$, the salt dose for regeneration is 100 g/l
** With a linear filtration rate of 27 m/h

ACCESSORIES*

Code	Description
V3009	WS1 Auxiliary Microswitch Assembly
V3034	Water Specialist 1.5" Plastic Motorized Alternating Valve
V3035	Water Specialist 1.5" Plastic No Hard Water Bypass Valve
V4430-02	WS15P fitting assembly QC to BSPT
V4430-03	WS15P fitting assembly QC to QC

* Not included in the basic set.
Can installed as additional equipment

PRESSURE DROP vs FLOW RATE **

** Data is based on control vavle type, distributors type, temperature, and media type

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CONFIGURATIONS

DOUBLE VALVE TWIN

DOUBLE VALVE TWIN ASSEMBLY PARTS

1. **FU3072CE15P — 2 pcs.**
2. **V3034 — 1 pcs.**
3. **V4430-02 — 2 pcs.**

Single valve twin set may operate 2 units with alternative mode (the first unit in operation, the second — in regeneration or stand by) and can produce water during the day at constant flow rate.

KEY FEATURES

- Ensures stable water quality with constant flow
- User friendly installation
- Doesn`t create hydraulic shocks

DOUBLE VALVE

DUPLEX VALVE TWIN ASSEMBLY PARTS

1. **FU3072CE15P — 2 pcs.**
2. **V3035 — 2 pcs.**
3. **V4430-03 — 2 pc.**
4. **V4430-02 — 2 pcs.**
5. **V3009 — 2 pcs.**
6. **1PROVODDUP — 2 pcs.**

Double valve twin set may operate 2 units parallel and can provide double flow rate during peak consumption.

KEY FEATURES

- Double flow rate for peak consumption
- User friendly installation
- Doesn`t create hydraulic shocks

MULTI-SYSTEMS

SET FOR 2...8 UNITS WITH CLACK SYSTEM CONTROLLER

1. **FU3072CE15 — 2...8 pcs.**
2. **WSSYSTCON2* — 1 pcs.**
3. **V3035 — 2...8 pcs.**
4. **V4430-02 — 2...8 pcs.**

The Clack system controller may operate 2 - 8 units and has 4 operating modes that ensure efficient operation of the set for various needs.

KEY FEATURES

- System Controller may operate 2 — 8 units or be used as a water monitor only
- Clack WS1.0, 1WS.25, WS1.5 or WS2 control valves may be used
- 4 available operating modes: Progressive flow, Alternator, Series, Random

WSSYSTCON2* — includes a kit for connecting 2 systems. The last number indicates the number of possible connected systems

CONNECTIONS

Marking	Nomenclature	Connection	Height
A	Inlet	PH G 2"	22290±30
B	Outlet	PH G 2"	2290±30
C	Brine line	PH G 1"	2400±30
D	Drain	PH G 1"	2430±30

DIMENSIONS OF SYSTEM